

aligning unaddressed locations on a recipient self-addressable electronic device with the addressed locations on said master device; and

biasing the locations on said master device negative and the locations on said recipient device positive, transporting the complementary sequences to said recipient device.

43. (Amended) The method for replicating patterned sequences of claim 42, further comprising denaturing the complementary sequences from the master template.

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REMARKS

Applicants have amended the title along the lines suggested by the Examiner at page 2 of the Office Action.

The §112 issue has been addressed by changing to the spelling of "complementary".

This case is a direct continuation of Serial No. 08/725,976, which in turn is a continuation of Serial No. 08/146,504, filed November 1, 1993. Accordingly, the Montgomery USP 6,093,302, having a filing date of January 5, 1998, is not prior art to this application.

A terminal disclaimer is filed in order to overcome the obviousness-type double patenting rejection.

Attached hereto is a marked-up version of the changes made to the claims by the current amendment. The attached page is captioned "Version with markings to show changes made."

Respectfully submitted,

LYON & LYON LLP

Dated: September 24, 2001

By: 

David B. Murphy
Reg. No. 31,125

DBM/dnd
633 West Fifth Street, Suite 4700
Los Angeles, California 90071-2066
(949) 567-2300 or (213) 489-1600



"Version with markings to show changes made"

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In the Title:

The title has been changed to: Methods and Apparatus for Electronic Synthesis of Molecular Structures

In the Claims:

42. (Amended). A method for replicating a self-addressable electronic device addressed with specific DNA sequences, comprising the steps of:

hybridizing the ~~complimentary~~ complementary sequences to the specific DNA sequences addressed on a master self-addressable electronic device;

aligning unaddressed locations on a recipient self-addressable electronic device with the addressed locations on said master device; and

biasing the locations on said master device negative and the locations on said recipient device positive, transporting the ~~complimentary~~ complementary sequences to said recipient device.

43. (Amended) The method for replicating patterned sequences of claim 42, further comprising denaturing the ~~complimentary~~ complementary sequences from the master template.